

**ROBERT N. ENFIELD
FEDERAL "18" NO.1
CHAVES COUNTY, NEW MEXICO**

WELL DATA

9/30/88

TOTAL DEPTH

10,025' KB Driller
9,992' KB Logger

ELEVATION:

3,289' KB
3,271' GL

KB TO CHF

18 feet

PRODUCTION CASING

10,025' of J-55 & N-80, LT&C, 17.0*/ft. set @ 10,025' KB (casing measure). Cemented with 850 sacks HOWCO Class "H" with additives through shoe; cement bridged and 4000' had to be drilled out. Cement was drilled out, casing perforated @ 9,180' KB and 760 sacks of HOWCO Class "H" with additives pumped; top of cement @ 5,800' KB by temperature survey.

PLUG BACK DEPTH

9,850' KB or below

PERFORATIONS

9685' to 9688 K.B. (7 holes) - open - added 9/88
9712' to 9718' K.B. (13 holes) - open - added 9/88
9725' to 9728' K.B. (7 holes) - open - added 9/88
9734' to 9740' K.B. (13 holes) - open - added 9/88
9713' to 9769' KB (14 holes) - open - original completion

TREATMENTS

All perforations: 3000 gal. 7-1/2% Morflo acid with additives, all fluids contained 1000 scf Nitrogen per bbl.
Original perforations: 4500 gallons 7-1/2% MS-Acid and 135,000 SCF Nitrogen.
Fracture treated with 4000 gallons of gelled fluid containing carbon dioxide with 25,000# sand.

TUBING ASSEMBLY

All 2-3/8" 4.7*/FT., EU, J-55, 8 rd tubing.

		<u>Top of Section</u>
1 - Baker A-3 Loc-Set Packer	3.54'	9645.49'
1 - 2-3/8" Tubing Sub	4.04'	9641.45'
1 - EL on-off Tool w/ 1.875" profile	5.30'	9636.15'
304 - Joints tubing	9619.15'	17.00'
304 - total joints	9632.03'	
K.B. to G.L.	17.00'	
Tubing set at	9649.03'	

TUBINGHEAD

11" 3000 psig by 7-1/16" 3000 psig; wrap around in place.

NOTES

Annulus filled with 2% KCl water